GPO-127-210 3/15/05 5:09 PM Page 155

Expeditionary Fighting Vehicle

Description

The Expeditionary Fighting Vehicle (EFV) will be the primary means of tactical mobility for the Marine rifle squad during the conduct of amphibious operations ashore. The EFV is a self-deploying, high-water speed, armored amphibious vehicle capable of transporting Marines from ships located beyond the horizon to inland objectives. The EFV will have the speed and maneuvering capabilities to operate with main battle tanks on land. In addition, the vehicles can use bodies of water, such as oceans, lakes, and rivers, as avenues of approach and maneuver. The EFV is an armored, fully tracked infantry combat vehicle that will be operated and maintained by a crew of three Marines, and have a troop capacity of 17 Marines with their individual combat equipment. The EFV replaces the Assault Amphibious Vehicle (AAV7A1) that was fielded in 1972 and will be more than 35 years old when the EFV is fielded.

Operational Impact

The EFV will provide the Marine Corps with increased operational tempo, survivability and lethality throughout the battle area and across the spectrum of operations. The EFV enables the Navy and Marine Corps team to project power from the sea base in a manner that will exploit intervening sea and land terrain, achieve surprise, avoid enemy strengths, and generate never-before-realized operational tempo across war-fighting functions.

Program Status

The EFV program is in the Systems Development and Demonstration (SDD) Phase of the acquisition process. During this phase, the program completes the design of the second generation SDD prototypes, and validates the manufacturing and production processes, as well as fabricates and tests the nine SDD prototypes, fabricates the live-fire test vehicle, and finalizes and implements the life cycle management concept. The Low Rate Initial Production decision (Milestone C) is currently scheduled for September 2006. The current acquisition objective is to produce 1,013 EFVs, with the Initial Operational Capability scheduled for 2010 and full operational capability scheduled for 2020.

Eight of the second-generation prototypes, including six EFVP1 (personnel variant) and one EFVC1 (command and control variant), have been undergoing developmental testing in preparation for the Milestone C Operational Assessment planned for 2006. The Joint Services Manufacturing Center in Lima, OH, has been chosen as the production and assembly site for the EFV.

Procurement Profile:

Low Rate Initial Production is scheduled to begin FY 2007 with Full Rate Production to begin FY 2011.

Developer/Manufacturer:

General Dynamics Amphibious Systems, Woodbridge, VA